

Access DB# 76831

## SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Pinchus Laufer Examiner #: 73139 Date: 9/30/02  
Art Unit: 2100 Phone Number 308-4160 Serial Number: 10/087003  
Mail Box Location: \_\_\_\_\_ Results Format Preferred (circle): PAPER DISK E-MAIL

**If more than one search is submitted, please prioritize searches in order of need.**

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Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: \_\_\_\_\_

Inventors (please provide full names): \_\_\_\_\_

Earliest Priority Filing Date: \_\_\_\_\_

*\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

Litigation  
6,032,156

\*\*\*\*\*

### STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: <u>Shirelle Green</u>	Sequence (#) _____	STN <input checked="" type="checkbox"/>
Searcher Phone #: <u>306-4767</u>	AA Sequence (#) _____	Dialog _____
Searcher Location: <u>4B40</u>	Structure (#) _____	Questel/Orbit <u>29.02</u>
Date Searcher Picked Up: <u>10/1/02</u>	Bibliographic _____	Dr.Link _____
Date Completed: <u>10/1/02</u>	Litigation <input checked="" type="checkbox"/>	Lexis/Nexis <input checked="" type="checkbox"/>
Searcher Prep & Review Time: _____	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet <input checked="" type="checkbox"/>
Online Time: <u>10</u>	Other _____	Other (specify) _____

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6032156

February 29, 2000

System for automated generation of media

REISSUE: February 28, 2002 - Reissue Application filed Ex. Gp.: 2777; Re. S.N.  
10/087,003 May 21, 2002

INVENTOR: Marcus, Dwight, 779 Cedar Point Pl. Westlake Village, CA 91362

APPL-NO: 00053597 ()

FILED-DATE: April 1, 1998

GRANTED-DATE: February 29, 2000

LEGAL-REP: Duane, Morris & Heckscher LLP

US-MAIN-CL: 707#1041

US-ADDL-CL: 345#723, 707#002, 707#008, 707#102, 707#5001

SEARCH-FLD: 707##1 , 707##2 , 707##7 , 707##8 , 707##201 , 707##202 , 707##100 ,  
707##102 , 707##103 , 707##104 , 395##20035 , 706##50 , 706##59 , 345##328 ,  
345##337 , 345##339

IPC-MAIN-CL: G 06F017#30

PRIM-EXMR: Fetting, Anton W.

ASST-EXMR: Alam, Shahid

ENGLISH-ABST:

A system and method for creating audiovisual programming has media elements, such as audiovisual clips, stored in a library. A database contains selected information about each of the media elements. The stored information in the database does not dictate the temporal sequence of the media elements. Media elements are selected in response to a request for media programming, and arranged in a temporal organization. A user does not select the individual media elements or their temporal organization. Transitions between audiovisual clips are determined by the system based on information stored in the database and predetermined preferences as to types of transitions. Transition information includes a variety of possible transition points in an individual clip, capable of selection by the system. Separate transitions for the audio and video portions of audiovisual clips may be provided. For unique media programming, a unique sequence of cues may be included within the program for use in verification of viewing and comprehension. Upon completion of the selection of the media elements, the sequence, and the transitions, the media elements are assembled into a media program, such as a videotape.

**LEXIS-NEXIS**  
**Library: PATENT**  
**File: ALL**

**No Documents Found**

No documents were found for your search (**6032156** or **6,032,156**). Please edit your search and try again. You may want to try one or more of the following:

- Check for spelling errors.
- Remove some search terms.
- Use more common search terms.
- If applicable, look for all dates.

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**LEXIS-NEXIS**  
**Library: PATENT**  
**File: JNLS**

**No Documents Found**

No documents were found for your search (**6032156** or **6,032,156**). Please edit your search and try again. You may want to try one or more of the following:

- Check for spelling errors.
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- Use more common search terms.
- If applicable, look for all dates.

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**LEXIS-NEXIS**  
**Library: PATENT**  
**File: CASES**

us6032156/pn

\*\* SS 1: Results 1

Search statement 2

?prt full nonstop legalall

1/1 PLUSPAT - (C) QUESTEL-ORBIT- image

PN - US6032156 A 20000229 [US6032156]

TI - (A) System for automated generation of media

IN - (A) MARCUS DWIGHT (US)

AP - US5359798 19980401 [1998US-0053597]

PR - US5359798 19980401 [1998US-0053597]

- US4256497P 19970401 [1997US-P042564]

IC - (A) G06F-017/30

PCL - ORIGINAL (O) : 707104100; CROSS-REFERENCE (X) : 345723000 707002000  
707008000 707102000 707500100

DT - Basic

CT - US4290141; US4377870; US4566030; US5041972; US5109482; US5206929;  
US5227863; US5307456; US5353391; US5388197; US5414808; US5428774;  
US5440730; US5483276; US5515490; US5519828; US5550965; US5634020;  
US5644686; US5659793; US5680639; US5687331; US5689641; US5713021;  
US5721815; US5721878; US5729471; US5748187; US5748956; US5751883;  
US5752029; US5754851; US5765164; US5799150; US5819286; US5826102;  
US5852435; US5861880  
- Lee, Taekyong, "Query Processing Technique for Multimedia Presentation  
Graphs", Eighth International Workshop on Reasearch Issues In Data  
Engineering, 1998. "Continuous-Media Databases and Applications". Feb.  
23-24, 1998 pp. 130-138.

Piamsa-nga, Punpiti, "A Parallel Model for Multimedia Database on  
Cluster System Environment", IEEE International Symposium on  
Industrial Electronics Proceedings, 1998. ISIE '98. Jul. 7-10, 1998,  
pp 648-652 vol. 2.

Wu, Chao-Hui, "Querying multimedia presentations", Proceedings IEEE  
Conference on Protocols for Multimedia Systems-Multimedia Networking,  
Nov. 24-27, 1997 pp 64-73.

STG - (A) United States patent

AB - A system and method for creating audiovisual programming has media  
elements, such as audiovisual clips, stored in a library. A database  
contains selected information about each of the media elements. The  
stored information in the database does not dictate the temporal  
sequence of the media elements. Media elements are selected in  
response to a request for media programming, and arranged in a  
temporal organization. A user does not select the individual media  
elements or their temporal organization. Transitions between  
audiovisual clips are determined by the system based on information  
stored in the database and predetermined preferences as to types of  
transitions. Transition information includes a variety of possible  
transition points in an individual clip, capable of selection by the  
system. Separate transitions for the audio and video portions of  
audiovisual clips may be provided. For unique media programming, a  
unique sequence of cues may be included within the program for use in  
verification of viewing and comprehension. Upon completion of the  
selection of the media elements, the sequence, and the transitions,  
the media elements are assembled into a media program, such as a video  
tape.

UP - 2000-10

1/1 LGST - (C) LEGSTAT

PN - US 6032156 [US6032156]

AP - US 53597/98 19980401 [1998US-0053597]  
DT - US-P  
ACT - 19980401 US/AE-A  
APPLICATION DATA (PATENT)  
{US 53597/98 19980401 [1998US-0053597]]}  
- 20000229 US/A  
PATENT  
- 20020521 US/RF  
REISSUE APPLICATION FILED  
20020228  
UP - 2002-22

1/1 CRXX - (C) CLAIMS/RRX  
PN - 6,032,156 A 20000229 [US6032156]  
PA - Marcus, Dwight  
ACT - 20020228 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20020521  
REISSUE REQUEST NUMBER: 10/087003  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2777

Reissue Patent Number:

1/1 PAST - (C) Thomson Derwent  
AN - 200221-002022  
PN - 6032156 A [US6032156]  
OG - 2002-05-21  
ACT - REISSUE APPLICATION FILED

fam us6032156/pn

1 Patent Groups  
\*\* SS 1: Results 4

Search statement 2

?famstate nonstop

1/4 INPADOC - (C) INPADOC

PN - AU 732696 B2 20010426 [AU-732696]  
TI - SYSTEM FOR AUTOMATED GENERATION OF MEDIA PROGRAMS FROM A DATABASE OF  
MEDIA ELEMENTS  
IN - MARCUS DWIGHT  
PA - MEDIC INTERACTIVE INC  
AP - AU 68756/98-A 19980401 [1998AU-0068756]  
PR - US 42564/97-P 19970401 [1997US-P042564]  
- WO 9806420/98(US)-W 19980401 [1998WO-US06420]  
IC - H04N-009/00

2/4 INPADOC - (C) INPADOC

PN - AU 68756/98 A1 19981022 [AU9868756]  
TI - SYSTEM FOR AUTOMATED GENERATION OF MEDIA PROGRAMS FROM A DATABASE OF  
MEDIA ELEMENTS  
IN - MARCUS DWIGHT  
PA - MEDIC INTERACTIVE INC  
AP - AU 68756/98-A 19980401 [1998AU-0068756]  
PR - US 42564/97-P 19970401 [1997US-P042564]  
- WO 9806420/98(US)-W 19980401 [1998WO-US06420]  
IC - H04N-009/00

3/4 INPADOC - (C) INPADOC

PN - US 6032156 A 20000229 [US6032156]  
TI - SYSTEM FOR AUTOMATED GENERATION OF MEDIA  
IN - MARCUS DWIGHT [US]  
PA - MARCUS DWIGHT [US]  
AP - US 53597/98-A 19980401 [1998US-0053597]  
PR - US 53597/98-A 19980401 [1998US-0053597]  
- US 42564/97-P 19970401 [1997US-P042564]  
IC - G06F-017/30

1/1 LEGALI - (C) LEGSTAT

PN - US 6032156 [US6032156]  
AP - US 53597/98 19980401 [1998US-0053597]  
DT - US-P  
ACTE- 19980401 US/AE-A  
APPLICATION DATA (PATENT)  
{US 53597/98 19980401 [1998US-0053597]}  
- 20000229 US/A  
PATENT  
- 20020521 US/RF  
REISSUE APPLICATION FILED  
20020228  
UP - 2002-22

4/4 INPADOC - (C) INPADOC

PN - WO 9844717 A2 19981008 [WO9844717]  
TI - SYSTEM FOR AUTOMATED GENERATION OF MEDIA PROGRAMS FROM A DATABASE OF  
MEDIA ELEMENTS

LA - ENG  
 IN - MARCUS DWIGHT  
 PA - MEDIC INTERACTIVE INC [US]  
 AP - WO US 9806420/98(US)-A 19980401 [1998WO-US06420]  
 PR - US 42564/97-P 19970401 [1997US-P042564]  
 IC - H04N-000/00  
 DS - AL\* AM\* AT\* AU\* AZ\* BA\* BB\* BG\* BR\* BY\* CA\* CH\* CN\* CU\* CZ\* DE\* DK\*  
 EE\* ES\* FI\* GB\* GE\* GH\* GM\* GW\* HU\* ID\* IL\* IS\* JP\* KE\* KG\* KP\* KR\*  
 KZ\* LC\* LK\* LR\* LS\* LT\* LU\* LV\* MD\* MG\* MK\* MN\* MW\* MX\* NO\* NZ\* PL\*  
 PT\* RO\* RU\* SD\* SE\* SG\* SI\* SK\* SL\* TJ\* TM\* TR\* TT\* UA\* UG\* UZ\* VN\*  
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1/2 LEGALI - (C) LEGSTAT  
 PN - CA 2285284 [CA2285284]  
 DT - CA-P  
 ACTE- 19990930 CA/REFW-P  
 CORRESPONDS TO PCT APPLICATION  
 <WO 9844717> [WO9844717]  
 UP - 2000-02

2/2 LEGALI - (C) LEGSTAT  
 PN - WO 9844717 [WO9844717]  
 AP - WO 9806420/98(US) 19980401 [1998WO-US06420]  
 DT - WO-P  
 ACTE- 19980401 WO/AE-A  
 APPLICATION DATA  
 {WO 9806420/98(US) 19980401 [1998WO-US06420]}  
 - 19981008 WO/AK-A2 [+]  
 DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITHOUT SEARCH  
 REPORT  
 AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH  
 GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN  
 MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW  
 - 19981008 WO/AL-A2 [+]  
 DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED  
 APPLICATION WITHOUT SEARCH REPORT  
 GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE  
 DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR  
 NE SN TD TG  
 - 19981008 WO/A2 [+]  
 PUBLICATION OF THE INTERNATIONAL APPLICATION WITHOUT THE INTERNATIONAL  
 SEARCH REPORT  
 - 19981223 WO/DFPE  
 REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH  
 MONTH FROM PRIORITY DATE  
 - 19990407 WO/121  
 EP: PCT APP. ART. 158 (1)  
 - 19990930 WO/ENP-AA  
 ENTRY INTO THE NATIONAL PHASE IN:  
 <CA 2285284>  
 - 20000203 WO/REG; DE/8642 [-]  
 DE: IMPACT ABOLISHED FOR DE  
 <DE>  
 - 20000303 WO/NENP  
 NON-ENTRY INTO THE NATIONAL PHASE IN:  
 JP 1998541961  
 <JP>  
 UP - 2000-13



=> d his

(FILE 'USPAT' ENTERED AT 10:21:51 ON 25 FEB 1999)  
L1 139173 S MULTI-MEDIA OR MULTIMEDIA OR MEDIA  
L2 767 S CUE# AND L1  
L3 100 S ICON AND L2  
L4 54 S (TELEPHONE OR PHONE) AND L3  
L5 10 S (LUMINANCE OR BRIGHT OR BRIGHTNESS) AND L4

=> d cit 15 1-10

1. 5,875,305, Feb. 23, 1999, Video information management system which provides intelligent responses to video data content features; Gerhard Josef Winter, et al., 348/262, 588 [IMAGE AVAILABLE]
2. 5,875,108, Feb. 23, 1999, Ergonomic man-machine interface incorporating adaptive pattern recognition based control system; Steven M. Hoffberg, et al., 364/146, 188; 382/181, 190 [IMAGE AVAILABLE]
3. 5,867,386, Feb. 2, 1999, Morphological pattern recognition based controller system; Steven M. Hoffberg, et al., 364/188; 382/190, 203, 209 [IMAGE AVAILABLE]
4. 5,790,177, Aug. 4, 1998, Digital signal recording/reproduction apparatus and method; Samuel Anthony Kassatly, 348/13, 7, 385; 455/4.2, 5.1 [IMAGE AVAILABLE]
5. 5,774,357, Jun. 30, 1998, Human factored interface incorporating adaptive pattern recognition based controller apparatus; Steven M. Hoffberg, et al., 364/188; 348/27, 110, 734; 395/559, 587, 595 [IMAGE AVAILABLE]
6. 5,767,913, Jun. 16, 1998, Mapping system for producing event identifying codes; Lord Samuel Anthony Kassatly, 348/403, 473, 484 [IMAGE AVAILABLE]
7. 5,687,331, Nov. 11, 1997, Method and system for displaying an animated focus item; Patrick M. Volk, et al., 345/327, 352, 962, 977 [IMAGE AVAILABLE]
8. 5,664,126, Sep. 2, 1997, Human interface system for communicating networked users; Hideki Hirakawa, et al., 345/329, 331, 349; 395/200.33, 200.48, 200.59; 707/10 [IMAGE AVAILABLE]
9. 5,508,733, Apr. 16, 1996, Method and apparatus for selectively receiving and storing a plurality of video signals; L. Samuel A. Kassatly, 348/13, 7, 8, 10, 12, 385, 426; 455/5.1 [IMAGE AVAILABLE]
10. 5,410,326, Apr. 25, 1995, Programmable remote control device for interacting with a plurality of remotely controlled devices; Steven W. Goldstein, 348/734; 340/825.72; 348/7; 359/196; 379/102.07; 455/4.1, 151.2 [IMAGE AVAILABLE]

=> d his

(FILE 'USPAT' ENTERED AT 12:14:57 ON 24 FEB 1999)

L1	139173 S MULTIMEDIA OR MULTI-MEDIA OR MEDIA
L2	69 S SEQUENCE (2A) CUE#
L3	11 S L1 AND L2
L4	7 S UNIQUE AND L3
L5	14 S (DATABASE OR DOCUMENT#) AND L2
L6	11 S L1 AND L2
L7	5 S L1 AND L5
L8	9316 S DOCUMENT# AND L1
L9	4644 S SEQUENCE AND L8
L10	145 S CUE# AND L9
L11	92 S UNIQUE AND L10
L12	86 S PROGRAM? AND L11
L13	31 S TRANSITION AND L12
L14	25 S RANGE? AND L13
L15	1 S FADE AND L14

=> d cit 115

1. 5,307,456, Apr. 26, 1994, Integrated **multi-media** production and authoring system; Michael T. MacKay, 345/328, 340 [IMAGE AVAILABLE]

=> d cit 114 1-25

1. 5,875,108, Feb. 23, 1999, Ergonomic man-machine interface incorporating adaptive pattern recognition based control system; Steven M. Hoffberg, et al., 364/146, 188; 382/181, 190 [IMAGE AVAILABLE]
2. 5,848,373, Dec. 8, 1998, Computer aided map location system; David M. DeLorme, et al., 701/200; 340/990, 995; 342/357; 701/208, 212 [IMAGE AVAILABLE]
3. 5,835,667, Nov. 10, 1998, Method and apparatus for creating a searchable digital video library and a system and method of using such a library; Howard D. Wactlar, et al., 386/96, 97, 106 [IMAGE AVAILABLE]
4. 5,799,276, Aug. 25, 1998, Knowledge-based speech recognition system and methods having frame length computed based upon estimated pitch period of vocalic intervals; Edward Komissarchik, et al., 704/251, 207, 208, 231, 257 [IMAGE AVAILABLE]
5. 5,790,177, Aug. 4, 1998, Digital signal recording/reproduction apparatus and method; Samuel Anthony Kassatly, 348/13, 7, 385; 455/4.2, 5.1 [IMAGE AVAILABLE]
6. 5,767,913, Jun. 16, 1998, Mapping system for producing event identifying codes; Lord Samuel Anthony Kassatly, 348/403, 473, 484 [IMAGE AVAILABLE]
7. 5,748,199, May 5, 1998, Method and apparatus for converting a two dimensional motion picture into a three dimensional motion picture; Charles S. Palm, 345/473, 419, 433; 352/50 [IMAGE AVAILABLE]
8. 5,732,216, Mar. 24, 1998, Audio message exchange system; James Logan, et al., 395/200.33; 348/7, 13 [IMAGE AVAILABLE]
9. 5,722,418, Mar. 3, 1998, Method for mediating social and behavioral processes in medicine and business through an interactive telecommunications guidance system; L. William Bro, 1/1; 128/905, 920; 434/118; 482/9; 600/300 [IMAGE AVAILABLE]
10. 5,721,827, Feb. 24, 1998, System for electrically distributing personalized information; James Logan, et al., 395/200.47; 348/13 [IMAGE AVAILABLE]
11. 5,687,331, Nov. 11, 1997, Method and system for displaying an animated focus item; Patrick M. Volk, et al., 345/327, 352, 962, 977 [IMAGE AVAILABLE]
12. 5,623,609, Apr. 22, 1997, Computer system and computer-implemented process for phonology-based automatic speech recognition; Jonathan Kaye, et al., 704/1, 231, 255 [IMAGE AVAILABLE]
13. 5,596,994, Jan. 28, 1997, Automated and interactive behavioral and medical guidance system; William L. Bro, 600/545; 128/904, 905, 925 [IMAGE AVAILABLE]
14. 5,594,837, Jan. 14, 1997, Method for representation of knowledge in a computer as a network database system; Dallas B. Noyes, 706/55, 11, 50; 707/2 [IMAGE AVAILABLE]

15. 5,585,585, Dec. 3, 1996, Automated accompaniment apparatus and method; John W. Paulson, et al., 84/610, 612, 634, 666 [IMAGE AVAILABLE]
16. 5,508,733, Apr. 16, 1996, Method and apparatus for selectively receiving and storing a plurality of video signals; L. Samuel A. Kassatly, 348/13, 7, 8, 10, 12, 385, 426; 455/5.1 [IMAGE AVAILABLE]
17. 5,487,172, Jan. 23, 1996, Transform processor system having reduced processing bandwidth; Gilbert P. Hyatt, 395/800.32; 364/137, DIG.1, DIG.2 [IMAGE AVAILABLE]
18. 5,455,926, Oct. 3, 1995, Virtual addressing of optical storage **media** as magnetic tape equivalents; Richard V. Keele, et al., 711/4; 364/952.31, 952.6, 959.3, 961.2, 961.4, 966.4, DIG.2; 711/112, 202 [IMAGE AVAILABLE]
19. 5,455,378, Oct. 3, 1995, Intelligent accompaniment apparatus and method; John W. Paulson, et al., 84/610, 634, 666 [IMAGE AVAILABLE]
20. 5,438,674, Aug. 1, 1995, Optical disk system emulating magnetic tape units; Richard V. Keele, et al., 711/4; 364/927.81, 952.31, 952.6, 955.5, 961.2, DIG.2; 395/500; 707/204, 205; 711/112, 202, 221 [IMAGE AVAILABLE]
21. 5,379,366, Jan. 3, 1995, Method for representation of knowledge in a computer as a network database system; Dallas B. Noyes, 706/55, 11, 50; 707/103 [IMAGE AVAILABLE]
22. 5,307,456, Apr. 26, 1994, Integrated **multi-media** production and authoring system; Michael T. MacKay, 345/328, 340 [IMAGE AVAILABLE]
23. 5,307,295, Apr. 26, 1994, Creating and controlling lighting designs; Brooks W. Taylor, et al., 364/578; 315/292 [IMAGE AVAILABLE]
24. 5,185,806, Feb. 9, 1993, Audio compressor, expander, and noise reduction circuits for consumer and semi-professional use; Ray M. Dolby, et al., 381/106; 333/14 [IMAGE AVAILABLE]
25. 4,817,149, Mar. 28, 1989, Three-dimensional auditory display apparatus and method utilizing enhanced bionic emulation of human binaural sound localization; Peter H. Myers, 381/1, 17, 63, 74 [IMAGE AVAILABLE]

=> d his

(FILE 'USPAT' ENTERED AT 10:00:02 ON 22 FEB 1999)

L1	884 S DATABASE AND TEMPORAL
L2	138859 S MEDIA OR MULTIMEDIA
L3	379 S L1 AND L2
L4	101214 S CLIP?
L5	77 S L3 AND L4
L6	18 S (TAG OR TAGS) AND L5
L7	18 S CONTROL? AND L6
L8	12 S TRANSITION# AND L7
L9	12 S SELECT? AND L8
L10	0 S (DESELECT OR DESELECTING) AND L9
L11	12 S RANGE# AND L9
L12	6 S CUE# AND L11

=> d cit l12 1-6

1. 5,867,654, Feb. 2, 1999, Two monitor videoconferencing hardware; Lester F. Ludwig, et al., 345/330 [IMAGE AVAILABLE]
2. 5,854,893, Dec. 29, 1998, System for teleconferencing in which collaboration types and participants by names or icons are **selected** by a participant of the teleconference; Lester F. Ludwig, et al., 395/200.34, 200.35, 200.57, 200.61, 200.76, 200.79 [IMAGE AVAILABLE]
3. 5,802,294, Sep. 1, 1998, Teleconferencing system in which location video mosaic generator sends combined local participants images to second location video mosaic generator for displaying combined images; Lester F. Ludwig, et al., 395/200.34; 370/260, 267; 379/202; 395/200.68 [IMAGE AVAILABLE]
4. 5,758,079, May 26, 1998, Call **control** in video conferencing allowing acceptance and identification of participants in a new incoming call during an active teleconference; Lester F. Ludwig, et al., 395/200.34; 345/330; 370/261; 379/202 [IMAGE AVAILABLE]
5. 5,689,641, Nov. 18, 1997, **Multimedia** collaboration system arrangement for routing compressed AV signal through a participant site without decompressing the AV signal; Lester F. Ludwig, et al., 395/200.71; 348/15, 16; 370/260, 270; 395/200.34 [IMAGE AVAILABLE]
6. 5,617,539, Apr. 1, 1997, **Multimedia** collaboration system with separate data network and A/V network **controlled** by information transmitting on the data network; Lester F. Ludwig, et al., 395/200.35; 345/330; 348/12; 370/260; 395/200.68, 200.79 [IMAGE AVAILABLE]

=> d cit lll 1-12

1. 5,870,768, Feb. 9, 1999, Expert system and method employing hierarchical knowledge base, and interactive **multimedia**/hypermedia applications; Amir Hekmatpour, 707/501; 345/339, 347; 706/45 [IMAGE AVAILABLE]
2. 5,867,654, Feb. 2, 1999, Two monitor videoconferencing hardware; Lester F. Ludwig, et al., 345/330 [IMAGE AVAILABLE]
3. 5,854,893, Dec. 29, 1998, System for teleconferencing in which collaboration types and participants by names or icons are **selected** by a participant of the teleconference; Lester F. Ludwig, et al., 395/200.34, 200.35, 200.57, 200.61, 200.76, 200.79 [IMAGE AVAILABLE]
4. 5,822,745, Oct. 13, 1998, Expert system and method employing hierarchical knowledge base, and interactive **multimedia**/hypermedia applications; Amir Hekmatpour, 706/59, 46, 60 [IMAGE AVAILABLE]
5. 5,806,056, Sep. 8, 1998, Expert system and method employing hierarchical knowledge base, and interactive **multimedia**/hypermedia applications; Amir Hekmatpour, 706/50, 45, 46, 61 [IMAGE AVAILABLE]
6. 5,802,294, Sep. 1, 1998, Teleconferencing system in which location video mosaic generator sends combined local participants images to second location video mosaic generator for displaying combined images; Lester F. Ludwig, et al., 395/200.34; 370/260, 267; 379/202; 395/200.68 [IMAGE AVAILABLE]
7. 5,758,079, May 26, 1998, Call **control** in video conferencing allowing acceptance and identification of participants in a new incoming call during an active teleconference; Lester F. Ludwig, et al., 395/200.34; 345/330; 370/261; 379/202 [IMAGE AVAILABLE]
8. 5,720,007, Feb. 17, 1998, Expert system and method employing hierarchical knowledge base, and interactive **multimedia**/hypermedia applications; Amir Hekmatpour, 706/50, 11, 46 [IMAGE AVAILABLE]
9. 5,696,885, Dec. 9, 1997, Expert system and method employing hierarchical knowledge base, and interactive **multimedia**/hypermedia applications; Amir Hekmatpour, 706/59, 12 [IMAGE AVAILABLE]
10. 5,689,641, Nov. 18, 1997, **Multimedia** collaboration system arrangement for routing compressed AV signal through a participant site without decompressing the AV signal; Lester F. Ludwig, et al., 395/200.71; 348/15, 16; 370/260, 270; 395/200.34 [IMAGE AVAILABLE]
11. 5,644,686, Jul. 1, 1997, Expert system and method employing hierarchical knowledge base, and interactive **multimedia**/hypermedia applications; Amir Hekmatpour, 706/45, 53, 61; 707/501 [IMAGE AVAILABLE]
12. 5,617,539, Apr. 1, 1997, **Multimedia** collaboration system with separate data network and A/V network **controlled** by information transmitting on the data network; Lester F. Ludwig, et al., 395/200.35; 345/330; 348/12; 370/260; 395/200.68, 200.79 [IMAGE AVAILABLE]

US PAT NO: 5,440,730 [IMAGE AVAILABLE] L14: 1 of 1  
TITLE: Time index access structure for temporal databases having  
concurrent multiple versions

1. 5,440,730, Aug. 8, 1995, Time index access structure for temporal  
databases having concurrent multiple versions; Ramez A. Elmasri, et  
al., 707/203; 364/282.1, 282.3, DIG.1; 711/159 [IMAGE AVAILABLE]

=> d ab 114

US PAT NO: 5,440,730 [IMAGE AVAILABLE] L14: 1 of 1

ABSTRACT:

A time index for temporal databases is provided which enables the retrieval of database object versions that are valid during specified time periods. Unlike prior access and retrieval structures, the present index is based on objects whose search values are time intervals rather than time points. A series of ordered indexing points is defined by the start and end of object version intervals and these points are used to build an indexing structure, which may take the form of a B.sup.+ -tree. Each leaf node entry of the B.sup.+ -tree represents an indexing point and has an associated bucket of pointers which identify all object versions that are valid at that time. Storage space is reduced by including only incremental change indicators in the buckets of non-leading leaf entries and calculating needed pointers from such indicators. The time index may be employed in multi-level structures with attribute indexes to greatly improve the efficiency of temporal search operations, such as aggregate functions and temporal selection, as well WHEN and JOIN operators.

=> d his

(FILE 'USPAT' ENTERED AT 17:13:51 ON 04 FEB 1999)

L1	138132 S MULTIMEDIA OR MULTI-MEDIA OR MULTI MEDIA OR MEDIA
L2	24358 S DATABASE OR DATA (W) BASE
L3	6276 S L1 AND L2
L4	2208 S PROGRAMMING AND L3
L5	161 S TEMPORAL AND L4
L6	31 S (TAG OR TAGS) AND L5
L7	25 S ELEMENT? AND L6
L8	9 S CLIP? AND L7
L9	52 S CLIP? AND L5
L10	9 S (TAG OR TAGS) AND L9
L11	9 S ELEMENT? AND L10
L12	9 S CONTROL AND L11
L13	0 S LUMINANCE AND L12
L14	9 S (RANGE) AND L12
L15	4 S CONTENT AND L14
L16	4 S SELECT? AND L15
L17	9 S SELECT? AND L14
L18	4 S CONTENT AND L17
L19	0 S DEMOGRAPH? AND L17

=> d cit 117 1-7

1. 5,822,745, Oct. 13, 1998, Expert system and method employing hierarchical knowledge base, and interactive **multimedia**/hypermedia applications; Amir Hekmatpour, 706/59, 46, 60 [IMAGE AVAILABLE]
2. 5,806,056, Sep. 8, 1998, Expert system and method employing hierarchical knowledge base, and interactive **multimedia**/hypermedia applications; Amir Hekmatpour, 706/50, 45, 46, 61 [IMAGE AVAILABLE]
3. 5,745,126, Apr. 28, 1998, Machine synthesis of a virtual video camera/image of a scene from multiple video cameras/images of the scene in accordance with a particular perspective on the scene, an object in the scene, or an event in the scene; Ramesh Jain, et al., 1/1; 348/42, 47 [IMAGE AVAILABLE]
4. 5,729,471, Mar. 17, 1998, Machine dynamic **selection** of one video camera/image of a scene from multiple video cameras/images of the scene in accordance with a particular perspective on the scene, an object in the scene, or an event in the scene; Ramesh Jain, et al., 348/13; 345/419; 348/19 [IMAGE AVAILABLE]
5. 5,720,007, Feb. 17, 1998, Expert system and method employing hierarchical knowledge base, and interactive **multimedia**/hypermedia applications; Amir Hekmatpour, 706/50, 11, 46 [IMAGE AVAILABLE]
6. 5,696,885, Dec. 9, 1997, Expert system and method employing hierarchical knowledge base, and interactive **multimedia**/hypermedia applications; Amir Hekmatpour, 706/59, 12 [IMAGE AVAILABLE]
7. 5,644,686, Jul. 1, 1997, Expert system and method employing hierarchical knowledge base, and interactive **multimedia**/hypermedia applications; Amir Hekmatpour, 706/45, 53, 61; 707/501 [IMAGE AVAILABLE]



D HIS

(FILE 'USPAT' ENTERED AT 15:21:42 ON 04 FEB 1999)

L1 120 S MULTIMEDIA PROGRAM  
L2 32 S L1 AND EDIT?  
L3 7 S L2 AND CLIP#

=> D 1-7

1. 5,852,435, Dec. 22, 1998, Digital multimedia **editing** and data management system; Stevan Vigneaux, et al., 345/302, 202, 433; 348/384; 370/229 [IMAGE AVAILABLE]
2. 5,826,102, Oct. 20, 1998, Network arrangement for development delivery and presentation of multimedia applications using timelines to integrate multimedia objects and program objects; George Escobar, et al., 345/302, 327; 348/7, 10 [IMAGE AVAILABLE]
3. 5,799,150, Aug. 25, 1998, System for sending list of media data objects to server which may be read by client and receiving from the server indicator of allocated resource; James Hamilton, et al., 395/200.33, 200.47, 200.49, 200.56 [IMAGE AVAILABLE]
4. 5,754,851, May 19, 1998, Method and apparatus for representing and **editing** multimedia compositions using recursively defined components; Michael J. Wissner, 707/104; 345/302; 707/103 [IMAGE AVAILABLE]
5. 5,752,029, May 12, 1998, Method and apparatus for representing and **editing** multimedia compositions using references to tracks in the composition to define components of the composition; Michael J. Wissner, 707/104; 345/302; 707/103 [IMAGE AVAILABLE]
6. 5,659,793, Aug. 19, 1997, Authoring tools for multimedia application development and network delivery; George Escobar, et al., 345/302, 348, 435 [IMAGE AVAILABLE]
7. 5,634,020, May 27, 1997, Apparatus and method for displaying audio data as a discrete waveform; Mark J. Norton, 345/339 [IMAGE AVAILABLE]

> d his

(FILE 'USPAT' ENTERED AT 10:13:55 ON 01 FEB 1999)

	E HUNT, GREGORY
L1	612 S MANAG? (P) MULTIMEDIA
L2	64 S SCRIPT AND L1
L3	110 S TEMPORAL (P) ORGANIZATION
L4	8 S L1 AND L3
L5	62 S VIDEO SEQUENCE (P) EDIT?
L6	132 S PLAY LIST OR DECISION LIST
L7	7 S L5 AND L6
L8	0 S L1 AND L7

=> d cit 117 8-9

8. 5,581,658, Dec. 3, 1996, Adaptive system for broadcast program identification and reporting; Michael O'Hagan, et al., 706/20; 704/232 [IMAGE AVAILABLE]

9. 5,515,477, May 7, 1996, Neural networks; John Sutherland, 706/41; 128/925; 706/16, 27 [IMAGE AVAILABLE]

=> d cit 118 1-4

1. 5,745,126, Apr. 28, 1998, Machine synthesis of a virtual video camera/image of a scene from multiple video cameras/images of the scene in accordance with a particular perspective on the scene, an object in the scene, or an event in the scene; Ramesh Jain, et al., 1/1; 348/42, 47 [IMAGE AVAILABLE]

2. 5,729,471, Mar. 17, 1998, Machine dynamic **selection** of one video camera/image of a scene from multiple video cameras/images of the scene in accordance with a particular perspective on the scene, an object in the scene, or an event in the scene; Ramesh Jain, et al., 348/13; 345/419; 348/19 [IMAGE AVAILABLE].

3. 5,581,658, Dec. 3, 1996, Adaptive system for broadcast program identification and reporting; Michael O'Hagan, et al., 706/20; 704/232 [IMAGE AVAILABLE]

4. 5,515,477, May 7, 1996, Neural networks; John Sutherland, 706/41; 128/925; 706/16, 27 [IMAGE AVAILABLE]

d cit 17 1-7

1. 5,835,163, Nov. 10, 1998, Apparatus for detecting a cut in a video; Shih-Ping Liou, et al., 348/700, 699, 701 [IMAGE AVAILABLE]
2. 5,577,191, Nov. 19, 1996, System and method for digital video editing and publishing, using intraframe-only video data in intermediate steps; Mauro Bonomi, 345/502; 348/384; 382/166 [IMAGE AVAILABLE]
3. 5,577,190, Nov. 19, 1996, Media editing system with adjustable source material compression; Eric C. Peters, 345/501, 507 [IMAGE AVAILABLE]
4. 5,519,828, May 21, 1996, Video editing operator interface for aligning timelines; Bruce L. Rayner, 345/326, 328, 348 [IMAGE AVAILABLE]
5. 5,467,288, Nov. 14, 1995, Digital audio workstations providing digital storage and display of video information; Peter J. Fasciano, et al., 345/328, 302; 707/512 [IMAGE AVAILABLE]
6. 5,388,197, Feb. 7, 1995, Video editing system operator inter-face for visualization and interactive control of video material; Bruce L. Rayner, 345/328, 348, 439; 386/54 [IMAGE AVAILABLE]
7. 5,051,845, Sep. 24, 1991, Closed-loop post production process; Larry J. Gardner, et al., 386/52; 369/83 [IMAGE AVAILABLE]

=> d his

(FILE 'USPAT' ENTERED AT 10:13:55 ON 01 FEB 1999)

E HUNT, GREGORY  
L1 612 S MANAG? (P) MULTIMEDIA  
L2 64 S SCRIPT AND L1  
L3 110 S TEMPORAL (P) ORGANIZATION  
L4 8 S L1 AND L3

=> d cit 14 1-8

1. 5,832,309, Nov. 3, 1998, System for synchronization with nonstreaming device controller and a streaming data handler each supplying current location for synchronizing slave data and master data flow; Bradley Dale Noe, et al., 395/881 [IMAGE AVAILABLE]
2. 5,751,883, May 12, 1998, Multimedia direct access storage device and formatting method; Hal Hjalmar Ottesen, et al., 386/27; 348/7; 369/30; 386/125; 711/112, 114 [IMAGE AVAILABLE]
3. 5,742,283, Apr. 21, 1998, Hyperstories: organizing multimedia episodes in temporal and spatial displays; Michelle Yoonkyung Lee Kim, 345/302; 707/501, 517, 539 [IMAGE AVAILABLE]
4. 5,721,878, Feb. 24, 1998, Multimedia control system and method for controlling multimedia program presentation; Hal Hjalmar Ottesen, et al., 395/500; 348/7 [IMAGE AVAILABLE]
5. 5,721,815, Feb. 24, 1998, Media-on-demand communication system and method employing direct access storage device; Hal Hjalmar Ottesen, et al., 345/327; 348/7; 395/200.49, 827 [IMAGE AVAILABLE]
6. 5,664,226, Sep. 2, 1997, System for merging plurality of atomic data elements into single synchronized file by assigning output rate to each channel in response to presentation time duration; Brian Matthew Czako, et al., 395/872; 364/232.9, 239, 246.4, DIG.1; 395/182.03; 707/102; 711/112 [IMAGE AVAILABLE]
7. 5,642,477, Jun. 24, 1997, Method and apparatus for selectably retrieving and outputting digitally stored multimedia presentations with real-time non-interrupting, dynamically selectable introduction of output processing; Linden Alanso de Carmo, et al., 345/302; 395/551 [IMAGE AVAILABLE]
8. 5,619,733, Apr. 8, 1997, Method and apparatus for synchronizing streaming and non-streaming multimedia devices by controlling the play speed of the non-streaming device in response to a synchronization signal; Bradley D. Noe, et al., 395/881; 345/302; 370/503; 395/551 [IMAGE AVAILABLE]

d his

(FILE 'USPAT' ENTERED AT 10:13:55 ON 01 FEB 1999)

E HUNT, GREGORY  
L1 612 S MANAG? (P) MULTIMEDIA  
L2 64 S SCRIPT AND L1  
L3 110 S TEMPORAL (P) ORGANIZATION  
L4 8 S L1 AND L3  
L5 62 S VIDEO SEQUENCE (P) EDIT?  
L6 132 S PLAY LIST OR DECISION LIST  
L7 7 S L5 AND L6  
L8 0 S L1 AND L7

=> d cit 17 1-7

1. 5,835,163, Nov. 10, 1998, Apparatus for detecting a cut in a video; Shih-Ping Liou, et al., 348/700, 699, 701 [IMAGE AVAILABLE]
2. 5,577,191, Nov. 19, 1996, System and method for digital video editing and publishing, using intraframe-only video data in intermediate steps; Mauro Bonomi, 345/502; 348/384; 382/166 [IMAGE AVAILABLE]
3. 5,577,190, Nov. 19, 1996, Media editing system with adjustable source material compression; Eric C. Peters, 345/501, 507 [IMAGE AVAILABLE]
4. 5,519,828, May 21, 1996, Video editing operator interface for aligning timelines; Bruce L. Rayner, 345/326, 328, 348 [IMAGE AVAILABLE]
5. 5,467,288, Nov. 14, 1995, Digital audio workstations providing digital storage and display of video information; Peter J. Fasciano, et al., 345/328, 302; 707/512 [IMAGE AVAILABLE]
6. 5,388,197, Feb. 7, 1995, Video editing system operator inter-face for visualization and interactive control of video material; Bruce L. Rayner, 345/328, 348, 439; 386/54 [IMAGE AVAILABLE]
7. 5,051,845, Sep. 24, 1991, Closed-loop post production process; Larry J. Gardner, et al., 386/52; 369/83 [IMAGE AVAILABLE]

D HIS

(FILE 'USPAT' ENTERED AT 10:13:50 ON 28 JAN 1999)

L1 5557 S 707/CLAS  
L2 162 S L1 AND TEMPORAL  
L3 51 S L2 AND FRAME  
L4 20 S L3 AND MULTIMEDIA

=> D 1-20

1. 5,864,849, Jan. 26, 1999, System and method for restoring a multiple checkpointed database in view of loss of volatile memory; Philip Lewis Bohannon, et al., 707/8, 7, 201, 202 [IMAGE AVAILABLE]

2. 5,845,292, Dec. 1, 1998, System and method for restoring a distributed checkpointed database; Philip L. Bohannon, et al., 707/202; 395/182.13, 182.14, 182.17, 182.18; 707/8, 200, 201 [IMAGE AVAILABLE]

✓ 3. 5,819,286, Oct. 6, 1998, Video database indexing and query method and system; Hsiao-Ying Yang, et al., 707/104, 100 [IMAGE AVAILABLE]

4. 5,784,286, Jul. 21, 1998, Design process recording method and a design process recorder; Atsushi Hirose, et al., 364/488; 395/500, 683, 702; 707/1, 102 [IMAGE AVAILABLE]

✓ 5. 5,765,164, Jun. 9, 1998, Apparatus and method for management of discontinuous segments of multiple audio, video, and data streams; Rama R. Prasad, et al., 707/104, 102 [IMAGE AVAILABLE]

6. 5,764,241, Jun. 9, 1998, Method and system for modeling and presenting integrated media with a declarative modeling language for representing reactive behavior; Conal M. Elliott, et al., 345/473, 433; 707/501 [IMAGE AVAILABLE]

7. 5,754,851, May 19, 1998, Method and apparatus for representing and editing **multimedia** compositions using recursively defined components; Michael J. Wissner, 707/104; 345/302; 707/103 [IMAGE AVAILABLE]

8. 5,752,029, May 12, 1998, Method and apparatus for representing and editing **multimedia** compositions using references to tracks in the composition to define components of the composition; Michael J. Wissner, 707/104; 345/302; 707/103 [IMAGE AVAILABLE]

✓ 9. 5,748,187, May 5, 1998, Synchronization control of **multimedia** objects in an MHEG engine; Jin-Suk Kim, et al., 345/302; 707/501 [IMAGE AVAILABLE]

10. 5,724,605, Mar. 3, 1998, Method and apparatus for representing and editing **multimedia** compositions using a tree structure; Michael J. Wissner, 345/302; 707/104 [IMAGE AVAILABLE]

11. 5,717,879, Feb. 10, 1998, System for the capture and replay of **temporal** data representing collaborative activities; Thomas P. Moran, et al., 345/339, 330, 331; 707/2 [IMAGE AVAILABLE]

12. 5,717,869, Feb. 10, 1998, Computer controlled display system using a

timeline to control; yback of temporal data represe ng  
collaborative activities; Thomas P. Moran, et al., 3 339, 331;  
707/2 [IMAGE AVAILABLE]

✓ 13. 5,713,021, Jan. 27, 1998, **Multimedia** data search system that  
searches for a portion of **multimedia** data using objects corresponding  
to the portion of **multimedia** data; Akiko Kondo, et al., 707/103;  
345/302, 328; 707/104 [IMAGE AVAILABLE]

14. 5,664,227, Sep. 2, 1997, System and method for skimming digital  
audio/video data; Michael L. Mauldin, et al., 707/516; 345/302 [IMAGE  
AVAILABLE]

15. 5,664,226, Sep. 2, 1997, System for merging plurality of atomic data  
elements into single synchronized file by assigning output rate to each  
channel in response to presentation time duration; Brian Matthew Czako,  
et al., 395/872; 364/232.9, 239, 246.4, DIG.1; 395/182.03; 707/102;  
711/112 [IMAGE AVAILABLE]

16. 5,655,117, Aug. 5, 1997, Method and apparatus for indexing  
**multimedia** information streams; Evan Goldberg, et al., 707/102,  
104 [IMAGE AVAILABLE]

17. 5,644,686, Jul. 1, 1997, Expert system and method employing  
hierarchical knowledge base, and interactive **multimedia**/hypermedia  
applications; Amir Hekmatpour, 706/45, 53, 61; 707/501 [IMAGE  
AVAILABLE]

18. 5,583,561, Dec. 10, 1996, Multi-cast digital video data server using  
synchronization groups; Donn B. Baker, et al., 348/7, 12; 370/390;  
395/200.49; 707/1 [IMAGE AVAILABLE]

19. 5,550,965, Aug. 27, 1996, Method and system for operating a data  
processor to index primary data in real time with iconic table of  
contents; John D. Gabbe, et al., 707/512; 345/302, 328, 350;  
707/104 [IMAGE AVAILABLE]

20. 5,537,528, Jul. 16, 1996, System and method for inputting scene  
information; Junichi Takahashi, et al., 707/512; 345/302, 328, 356;  
707/514 [IMAGE AVAILABLE]

BEST AVAILABLE COPY



> d his

(FILE 'USPAT' ENTERED AT 13:51:22 ON 13 JAN 1999)

DEL HIS  
L1 326 S URL  
L2 337 S WEB(W) (PAGE# OR SITE# OR ADDRESS##)  
L3 314 S HYPERLINK? OR HYPERTEXT?(5A) LINK#  
L4 633 S L1-3  
L5 2 S CENTRALIZ?(20A) L4  
L6 29 S L4 (20A) (DATE# OR DEADLINE OR TIMESTAMP? OR TIME(2W) (DAT  
A O  
L7 3 S 5675510/UREF,BI  
L8 1 S 5727129/PN  
L9 1 S 5727129/UREF,BI  
L10 1255 S (METER? OR TRACK? OR MONITOR?) (2A) USAGE#  
L11 3 S L4 (P) L10

=> d l11 1 cit date as ab

1. 5,819,156, Oct. 6, 1998, PC/TV usage tracking and reporting device;  
Brian V. Belmont, 455/2; 345/327; 348/1, 552 [IMAGE AVAILABLE]

L11: 1 of 3  
TITLE: PC/TV usage tracking and reporting device  
US PAT NO: 5,819,156 DATE ISSUED: Oct. 6, 1998  
[IMAGE AVAILABLE]  
APPL-NO: 08/783,608 DATE FILED: Jan. 14, 1997  
ASSIGNEE: Compaq Computer Corp., Houston, TX (U.S. corp.)

ABSTRACT:

A TV/PC convergence device, operable in a television mode, a computer mode and a combination television/computer mode, includes a display, a computer and a tracking device. The display receives and displays images in all three modes. The computer executes programs and is operable in the computer mode and the combination television/computer mode. The tracking device, which is coupled to the display and computer, tracks, records, and reports select uses of the display and the computer during each of the television mode, the computer mode and the combination television/computer mode.

=> d l11 hit

US PAT NO: 5,819,156 [IMAGE AVAILABLE] L11: 1 of 3

DETDSC:

DETD(12)

As further depicted in FIG. 2, tracking/reporting device 18 can also track the usage of On-Line Doc Viewer 26. An example of an On-Line Doc Viewer would be a web page. Tracking/reporting device 18 could track the list of topics searched, the amount of time spent in each on-line document per visit by a user, and the number of time a given topic is accessed.

> d lll 1 fro

US PAT NO: 5,819,156 [IMAGE AVAILABLE] L11: 1 of 3  
DATE ISSUED: Oct. 6, 1998  
TITLE: PC/TV usage tracking and reporting device  
INVENTOR: Brian V. Belmont, Dallas, TX  
ASSIGNEE: Compaq Computer Corp., Houston, TX (U.S. corp.)  
APPL-NO: 08/783,608  
DATE FILED: Jan. 14, 1997  
INT-CL: [6] H04N 7/16  
US-CL-ISSUED: 455/2; 348/1, 552; 345/327  
US-CL-CURRENT: 455/2; 345/327; 348/1, 552  
SEARCH-FLD: 455/2, 4.2, 5.1, 6.1, 6.2, 6.3; 348/1, 2, 3, 4, 5, 6,  
7-13, 552; H04N 7/16; 7173; <395 200/.54;200.48; <345  
327

REF-CITED:

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5,497,479	3/1996	Hornbuckle	395/491
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5,675,510	10/1997	Coffey et al.	364/514A

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Gateway 2000 Sells Destination.TM. Big Screen PC Through Retail Chains, four pages from Internet site.  
Gateway 2000 launches Destination.TM. big screen PC featuring 31-inch monitor, five pages from Internet site.  
Destination Features, five pages from Internet site.

ART-UNIT: 271  
PRIM-EXMR: Chris Grant  
LEGAL-REP: Jenkins & Gilchrist

ABSTRACT:

A TV/PC convergence device, operable in a television mode, a computer mode and a combination television/computer mode, includes a display, a computer and a tracking device. The display receives and displays images in all three modes. The computer executes programs and is operable in the computer mode and the combination television/computer mode. The tracking device, which is coupled to the display and computer, tracks, records, and reports select uses of the display and the computer during each of the television mode, the computer mode and the combination television/computer mode.

5 Claims, 2 Drawing Figures

user's past history of network usage. An archive is maintained of remote sites accessed and instances in which the same remote sites are accessed in sequence. Statistics regarding information such as the number of times a site has been accessed, and the times a given set of sites have been accessed in sequence, are maintained. This information may be displayed upon command. Based on this information, information items are identified which the user is predicted to be likely to want to access. This information is pre-downloaded, without express user command, so that if the user does enter a command, the response time is advantageously fast.

22 Claims, 11 Drawing Figures

US PAT NO: 5,727,129 [IMAGE AVAILABLE]

L6: 25 of 29

DETDESC:

DETD(13)

In step 26, the number of occurrences of the page, i.e., the number of times in the past that this **Web page** has been downloaded, is computed. Preferably, the **date** and time of the prior downloads, or some suitable indication of how recently each download took place, is also obtained, and used later.

BEST AVAILABLE COPY

> d 16 25 fro hit

US PAT NO: 5,727,129 [IMAGE AVAILABLE] L6: 25 of 29  
DATE ISSUED: Mar. 10, 1998  
TITLE: Network system for profiling and actively facilitating  
user activities  
INVENTOR: Robert Carl Barrett, San Jose, CA  
Daniel Clark Kellem, San Jose, CA  
Paul Philip Maglio, Santa Cruz, CA  
ASSIGNEE: International Business Machines Corporation, Armonk, NY  
(U.S. corp.)  
APPL-NO: 08/659,100  
DATE FILED: Jun. 4, 1996  
INT-CL: [6] G06F 3/00  
US-CL-ISSUED: 395/12, 357, 353, 200.09  
US-CL-CURRENT: 706/10; 345/353, 357; 395/200.47, 200.54, 200.58; 706/21  
SEARCH-FLD: 395/12, 1, 10, 326-358, 200.01, 200.02, 200.11, 200.08,  
200.09

REF-CITED:

		U.S. PATENT DOCUMENTS	
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Carnegie Mellon Univ. 1/20/95, pp. 6-12. AAAI Spring Symposium, Mar.  
27-29, 1995. Stanford Univ. Info Gathering for Heterogeneous,  
Distributed Environment.

ART-UNIT: 245  
PRIM-EXMR: John E. Breene  
LEGAL-REP: James C. Pintner

ABSTRACT:

A system and method are provided for use with an communication and  
information network, such at the Internet World Wide Web, for assisting a  
user in accessing information stored at remote network sites based on the

```

      (FILE 'USPAT' ENTERED AT 13:51:22 ON 13 JAN 1999)
L1      216 S 707/501,513/CCLS
L2      49 S L1 AND (SEARCH? OR RETRIEV?)/TI,AB
L3      501 S (URL OR WEB) (2A) (LIST# OR TABLE#)
L4      3 S L2 AND L3
L5      2 S L3 (20A) (SORT### OR ORDERED OR ORDERING)
L6      7 S (URL OR WEB(W)PAGE# OR WEB(W)ADDRESS##) (20A) (SORT### O
R O
L7      19 S (URL OR WEB(W)PAGE# OR WEB(W)ADDRESS##) (P) (SORT### OR
ORD
L8      48 S (HYPERLINK? OR HYPERTEXT? OR URL OR WEB(W)PAGE# OR WEB(W
)AD
L9      475 S 707/501,513/CCLS OR 395/200.47,200.48/CCLS
L10     2 S L8 AND L9
L11     291 S (ANCHOR#) (P) (SORT### OR ORDERED OR ORDERING)
L12     3 S L9 AND L11

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=> d his

(FILE 'USPAT' ENTERED AT 13:51:22 ON 13 JAN 1999)  
L1 216 S 707/501,513/CCLS  
L2 49 S L1 AND (SEARCH? OR RETRIEV?)/TI,AB  
L3 501 S (URL OR WEB) (2A) (LIST# OR TABLE#)  
L4 3 S L2 AND L3  
L5 2 S L3 (20A) (SORT### OR ORDERED OR ORDERING)  
L6 7 S (URL OR WEB(W)PAGE# OR WEB(W)ADDRESS##) (20A) (SORT### O  
R O

=> d l6 1 cit date

1. 5,850,520, Dec. 15, 1998, Method and system for electronic  
publication distribution including return receipt; L. Joy Griebenow, et  
al., 395/200.36, 200.47 [IMAGE AVAILABLE]

L6: 1 of 7  
TITLE: Method and system for electronic publication distribution  
including return receipt  
US PAT NO: 5,850,520 DATE ISSUED: Dec. 15, 1998  
[IMAGE AVAILABLE]  
APPL-NO: 08/673,988 DATE FILED: Jul. 1, 1996

d his

(FILE 'USPAT' ENTERED AT 06:59:05 ON 07 JAN 1999)

L1 490718 S DATABASE OR DATA OR DATA (W) BASE  
L2 136731 S MULTIMEDIA OR MEDIA  
L3 15311 S TEMPORAL  
L4 2853 S TIMESTAMP OR TIME (W) STAMP  
L5 64046 S L1 AND L2  
L6 2440 S L5 AND L3  
L7 137 S L6 AND L4  
L8 31 S TAG# AND L7  
L9 1 S DEMOGRAPHIC## AND L8  
L10 57531 S AUDIOVISUAL OR AUDIO OR AUDIO(W)VIDEO  
L11 27 S L10 AND L8  
L12 120903 S PHOTO# OR PHOTOGRAPH# OR PHOTO(W)GRAPH  
L13 6 S L11 AND L12  
L14 1 S DEMOGRAPHIC# AND L13  
L15 623713 S MAINTAIN OR MAINTAINING AND L1  
L16 62152 S ELEMENT# AND L2  
L17 25947 S L15 AND L16  
L18 262388 S PROGRAMMING OR PROGRAM?  
L19 9045 S L17 AND L18  
L20 16 S TEMPORAL (W) ORGANIZATION  
L21 4 S L19 AND L20  
L22 0 S L4 AND L21  
L23 3 S L10 AND L21  
L24 0 S L8 AND L23  
L25 0 S L12 AND L23

=> d cit 123 1-3

1. 5,751,883, May 12, 1998, **Multimedia** direct access storage device and formatting method; Hal Hjalmar Ottesen, et al., 386/27; 348/7; 369/30; 386/125; 711/112, 114 [IMAGE AVAILABLE]

2. 5,721,878, Feb. 24, 1998, **Multimedia** control system and method for controlling **multimedia program** presentation; Hal Hjalmar Ottesen, et al., 395/500; 348/7 [IMAGE AVAILABLE]

3. 5,721,815, Feb. 24, 1998, **Media-on-demand** communication system and method employing direct access storage device; Hal Hjalmar Ottesen, et al., 345/327; 348/7; 395/200.49, 827 [IMAGE AVAILABLE]

=> d his

(FILE 'USPAT' ENTERED AT 06:59:05 ON 07 JAN 1999)

L1	490718	S	DATABASE OR DATA OR DATA (W) BASE
L2	136731	S	MULTIMEDIA OR MEDIA
L3	15311	S	TEMPORAL
L4	2853	S	TIMESTAMP OR TIME (W) STAMP
L5	64046	S	L1 AND L2
L6	2440	S	L5 AND L3
L7	137	S	L6 AND L4
L8	31	S	TAG# AND L7
L9	1	S	DEMOGRAPHIC## AND L8
L10	57531	S	AUDIOVISUAL OR AUDIO OR AUDIO(W)VIDEO
L11	27	S	L10 AND L8
L12	120903	S	PHOTO# OR PHOTOGRAPH# OR PHOTO(W)GRAPH
L13	6	S	L11 AND L12
L14	1	S	DEMOGRAPHIC# AND L13
L15	623713	S	MAINTAIN OR MAINTAINING AND L1
L16	62152	S	ELEMENT# AND L2
L17	25947	S	L15 AND L16
L18	262388	S	PROGRAMMING OR PROGRAM?
L19	9045	S	L17 AND L18
L20	16	S	TEMPORAL (W) ORGANIZATION
L21	4	S	L19 AND L20

=> d cit 121 1-4

1. 5,751,883, May 12, 1998, **Multimedia** direct access storage device and formatting method; Hal Hjalmar Ottesen, et al., 386/27; 348/7; 369/30; 386/125; 711/112, 114 [IMAGE AVAILABLE]
2. 5,721,878, Feb. 24, 1998, **Multimedia** control system and method for controlling **multimedia program** presentation; Hal Hjalmar Ottesen, et al., 395/500; 348/7 [IMAGE AVAILABLE]
3. 5,721,815, Feb. 24, 1998, **Media**-on-demand communication system and method employing direct access storage device; Hal Hjalmar Ottesen, et al., 345/327; 348/7; 395/200.49, 827 [IMAGE AVAILABLE]
4. 5,288,626, Feb. 22, 1994, Method for producing new varieties of plants; William C. Levengood, 800/292 [IMAGE AVAILABLE]



=> d his

(FILE 'USPAT' ENTERED AT 06:59:05 ON 07 JAN 1999)

L1	490718	S	DATABASE OR DATA OR DATA (W) BASE
L2	136731	S	MULTIMEDIA OR MEDIA
L3	15311	S	TEMPORAL
L4	2853	S	TIMESTAMP OR TIME (W) STAMP
L5	64046	S	L1 AND L2
L6	2440	S	L5 AND L3
L7	137	S	L6 AND L4
L8	31	S	TAG# AND L7
L9	1	S	DEMOGRAPHIC## AND L8
L10	57531	S	AUDIOVISUAL OR AUDIO OR AUDIO(W)VIDEO
L11	27	S	L10 AND L8
L12	120903	S	PHOTO# OR PHOTOGRAPH# OR PHOTO(W)GRAPH
L13	6	S	L11 AND L12
L14	1	S	DEMOGRAPHIC# AND L13

=> d cit 114

1. 5,848,373, Dec. 8, 1998, Computer aided map location system; David M. DeLorme, et al., 701/200; 340/990, 995; 342/357; 701/208, 212 [IMAGE AVAILABLE]

=> d cit 113 1-6

1. 5,854,893, Dec. 29, 1998, System for teleconferencing in which collaboration types and participants by names or icons are selected by a participant of the teleconference; Lester F. Ludwig, et al., 395/200.34, 200.35, 200.57, 200.61, 200.76, 200.79 [IMAGE AVAILABLE]

2. 5,848,373, Dec. 8, 1998, Computer aided map location system; David M. DeLorme, et al., 701/200; 340/990, 995; 342/357; 701/208, 212 [IMAGE AVAILABLE]

3. 5,802,294, Sep. 1, 1998, Teleconferencing system in which location video mosaic generator sends combined local participants images to second location video mosaic generator for displaying combined images; Lester F. Ludwig, et al., 395/200.34; 370/260, 267; 379/202; 395/200.68 [IMAGE AVAILABLE]

4. 5,758,079, May 26, 1998, Call control in video conferencing allowing acceptance and identification of participants in a new incoming call during an active teleconference; Lester F. Ludwig, et al., 395/200.34; 345/330; 370/261; 379/202 [IMAGE AVAILABLE]

5. 5,689,641, Nov. 18, 1997, **Multimedia** collaboration system arrangement for routing compressed AV signal through a participant site without decompressing the AV signal; Lester F. Ludwig, et al., 395/200.71; 348/15, 16; 370/260, 270; 395/200.34 [IMAGE AVAILABLE]

6. 5,617,539, Apr. 1, 1997, **Multimedia** collaboration system with separate **data** network and A/V network controlled by information transmitting on the **data** network; Lester F. Ludwig, et al., 395/200.35; 345/330; 348/12; 370/260; 395/200.68, 200.79 [IMAGE AVAILABLE]